

Title (en)  
CONVEYOR CHAIN PIN WITH RESERVOIR

Title (de)  
FÖRDERKETTENBOLZEN MIT EINEM RESERVOIR

Title (fr)  
RIVET À RÉSERVOIR POUR CHÂÎNE DE CONVOYEUR

Publication  
**EP 1993943 A2 20081126 (EN)**

Application  
**EP 07750840 A 20070216**

Priority  
• US 2007004028 W 20070216  
• US 77414906 P 20060216

Abstract (en)  
[origin: US2007193860A1] A chain pin or pin element for connecting chain links together to form a section of a chain for conveying products along a conveyor line or path of a material handling system includes a shaft portion and a head portion at at least one end of the shaft portion. The shaft portion is received through respective chain links to define a joint of the section of chain, while the head portion or head portions retain the pin at the links. At least one head portion of at least some of the pins includes a reservoir and a channel formed therein. The reservoir is configured to receive a lubricating fluid, such as from a lubricating device of the material handling system, while the channel functions to distribute the lubricant from the reservoir and toward and onto the shaft portion of the pin to lubricate the joint of the chain.

IPC 8 full level  
**B65G 45/02** (2006.01)

CPC (source: EP KR US)  
**B65G 17/38** (2013.01 - EP US); **B65G 45/02** (2013.01 - EP KR US); **B65G 45/08** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007098004A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2007193860 A1 20070823**; **US 7520379 B2 20090421**; AU 2007217940 A1 20070830; BR PI0707862 A2 20110510; CA 2642449 A1 20070830; CN 101421173 A 20090429; EP 1993943 A2 20081126; JP 2009527429 A 20090730; KR 20080114726 A 20081231; MX 2008010540 A 20081009; WO 2007098004 A2 20070830; WO 2007098004 A3 20071206

DOCDB simple family (application)  
**US 70760307 A 20070216**; AU 2007217940 A 20070216; BR PI0707862 A 20070216; CA 2642449 A 20070216; CN 200780013477 A 20070216; EP 07750840 A 20070216; JP 2008555352 A 20070216; KR 20087022189 A 20080911; MX 2008010540 A 20070216; US 2007004028 W 20070216